

# ***TEMPERATURE SENSORS***

Rugged,  
Reliable and  
Accurate



## ***TEMPERATURE SENSORS***

are rugged, reliable electronic devices that are not susceptible to the problems of thermistors, thermocouples, RTDs and resistance probes.

## ***LOGIC ONE® – technology you can rely on***

Novar's LOGIC ONE Advanced Building Control System delivers better reliability, greater versatility and more standard features than any other building control system on the market. LOGIC ONE technology is designed to maximize the operational efficiency of any HVAC or lighting system. The result: lower energy costs, increased comfort, and reduced equipment maintenance.

*Bottom Line: With Novar  
You Know It's Accurate*

**NOVAR**<sup>®</sup>  
CONTROLS

*With Novar, you know.*

LOGIC ONE



# Specifications

**TEMPERATURE  
SENSORS**

Versatile housing designs allow installation of Novar Temperature Sensors in almost any desired location. They are highly immune to noise and provide instantaneous response, wide operating range, and long-term stability. No calibration or special handling is needed prior to installation.

## 4 to 20mA Current Loop Temperature Sensors

### Features

<b>Measurement Range:</b>	See each sensor below.
<b>Accuracy:</b>	+/- .5° F.
<b>Output Signal:</b>	4 to 20 milliamperes.
<b>Supply Voltage:</b>	24VDC.

### Wall-Mount Indoor Temperature Sensor

Housed in an attractive thermostat enclosure. Used to sense indoor space temperatures in commercial and industrial environments.

<b>Model:</b>	<b>Measurement Range:</b>
WTS-10	20° to 120° F (7° to 49° C).

### Duct Temperature Sensor

Sturdy aluminum sensor probe rigidly mounted to an environmentally sealed, metal enclosure.

<b>Model:</b>	<b>Measurement Range:</b>
DTS-10	-40° to 70° F (-40° to 21° C).
DTS-20	30° to 80° F (-1° to 27° C).
DTS-30	20° to 170° F (-7° to 77° C).
DTS-40	70° to 220° F (21° to 104° C).
DTS-50	20° to 120° F (-7° to 49° C).

### Remote Temperature Sensor

Highly versatile unit consisting of an environmentally sealed, metal enclosure with an epoxy-sealed sensor probe on a durable six-foot cable.

<b>Model:</b>	<b>Measurement Range:</b>
RTS-10	-40° to 70° F (-40° to 21° C).
RTS-20	30° to 80° F (-1° to 27° C).
RTS-30	20° to 170° F (-7° to 77° C).
RTS-40	70° to 220° F (21° to 104° C).
RTS-50	20° to 120° F (-7° to 49° C).

### Outdoor Temperature Sensor (EP/2)

For use with the EP/2, Savvy™ and Lingo™. Precision sensor consisting of an environmentally sealed, metal enclosure equipped with a 20-foot, shielded cable.

<b>Model:</b>	<b>Measurement Range:</b>
EP2-OTS	-40° to 120° F (-40° to 49° C).

## Other Temperature Sensors

### Outdoor Temperature Sensor (EC)

For use with the EC, Savvy™ and Lingo™. Precision sensor consisting of an environmentally sealed, metal enclosure equipped with a 20-foot, shielded cable.

<b>Model:</b>	OTS.
<b>Measurement Range:</b>	-28° to 115° F (-33° to 46° C).
<b>Accuracy:</b>	1° F.
<b>Supply Voltage:</b>	14VDC.

### VAV Wall-Mount Indoor Temperature Sensor

For use with the VAV-4020 and ETM-3010 modules. Housed in an attractive thermostat enclosure. Used to sense indoor space temperatures in commercial and industrial environments.

<b>Model:</b>	WTS-VAV.
<b>Measurement Range:</b>	20° to 127° F (-7° to 53° C).
<b>Accuracy:</b>	1° F.
<b>Output Signal:</b>	0 to 3.5VDC.

### UVC Wall-Mount Indoor Temperature Sensor

For use with the ETC, ETM-3051, HPC Plus, and UVC modules. Housed in an attractive thermostat enclosure. Used to sense indoor space temperatures in commercial and industrial environments.

<b>Model:</b>	WTS-UVC.
<b>Measurement Range:</b>	20° to 127° F (-7° to 53° C).
<b>Accuracy:</b>	1° F.

### Wall-Mount Indoor Temperature Switch-Over Sensor

For use with the ETM-3051 module. Housed in an attractive thermostat enclosure. Used to sense indoor space temperatures in commercial and industrial environments. In programmable "fall-back" configuration, provides capability to switch over control to a secondary sensor if the signal is lost from this sensor.

<b>Model:</b>	WTS-SOS.
<b>Measurement Range:</b>	20° to 127° F (-7° to 53° C).
<b>Accuracy:</b>	1° F.

### UVC Remote Temperature Sensor

For use with the ETC, ETM-3051, HPC Plus, and UVC modules. Precision sensor probe mounted in the return and/or supply airstream of the controlled heating and/or cooling equipment.

<b>Model:</b>	RTS-UVC.
<b>Measurement Range:</b>	Application-specific.
<b>Accuracy:</b>	1° F.

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